BRUHAT BENGALURU MAHANAGARA PALIKE

NAME OF THE WORK : CONSTRUCTION OF INDOOR STADIUM AT TELECOM LAYOUT IN WARD NO-5 SURROUNDING AREA BYATARAYANAPURA SUB DIVISION ,YELAHANKA ZONE, BENGALURU-92

1st and part bill

Name of the Agency : Shri.K.Boopalan (BVR Tech& Engineers)

Pre -Measuremments

SL. NO	DESCRIPTION OF WORKS	UNIT	NO'S	DIMENSIONS (MTR)			QTY
				L	B	D	
Measurement recorded on :							
6	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.						
	PLINTH BELOW SSM WALL						
	PLINTH SSM WALL						
	HORIZONTAL BEAMS A-A,F-F		1.00	4.00	19.65	0.75	0.60	35.37
			1.00	4.00	19.65	0.60	0.80	37.73
	E-F		1.00	1.00	3.65	0.75	0.60	1.64
			1.00	1.00	3.65	0.60	0.80	1.75
	VERTICAL BEAMS 1-1,6-6		1.00	2.00	30.73	0.75	0.60	27.65
			1.00	2.00	30.73	0.60	0.80	29.50
	2-2,3-3,4-4,5-5		1.00	4.00	12.63	0.75	0.60	22.73
			1.00	4.00	12.63	0.60	0.80	24.25
	5-6		1.00	1.00	7.42	0.75	0.45	2.50
			1.00	1.00	7.42	0.60	0.60	2.67
			1.00	2.00	4.80	0.75	0.45	3.24
			1.00	2.00	4.80	0.60	0.60	3.46
			1.00	1.00	2.87	0.75	0.45	0.97
			1.00	1.00	2.87	0.60	0.60	1.03
	Additional toilet walls		1.00	3.00	1.70	0.45	0.45	1.03
			1.00	2.00	3.50	0.45	0.45	1.42
	Deduction:-							
	C1-C8,22,23		-1.00	10.00	0.30	0.45	0.60	-0.81

TECHNOCRATS CONSULTANTS

Asst. Executive Engineer
Project Section
Yelahanka Zone
BBMP, Bangalore - 92

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1st and part bill

Name of the Agency : Shri.K.Boopalan (BVR Tech& Engineers)

Pre -Measuremments

SL. NO	DESCRIPTION OF WORKS		UNIT	NO'S		DIMENSIONS (MTR) L	B	D	QTY
	COLUMNS	C9-C17,C24-26		-1.00	12.00	0.45	0.45	0.60	-1.46
		C18-C21		-1.00	4.00	0.20	0.45	0.60	-0.22
			cum				Total Qty		194.46
							BOQ qty		65.68
							Qty reserved for approval		128.78
							Qty to be paid		65.68

Chd. & F.C.

EE

INFRA TECHNOCRATS CONSULTANTS BANGALORE

28/9/20

28/9/2020

Yelahanka Zone
BBMP, Bangalore - 92

Consultant	Contractor	Assistant Engineer	Assistant Executive Engineer

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1st and part bill

Name of the Agency : Shri.Shri.K.Boopalan (BVR Tech& Engineers)

Post -Measuremments

SL. NO	DESCRIPTION OF WORKS	UNIT	NO'S	DIMENSIONS (MTR)			QTY
				L	B	D	
Measurement recorded on :							
9	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C. beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.						
	Qty vide Premasurements						20.62
	Page no						
	COLUMNS UPTO +4.05M C1-C8		1.00	8.00	0.30	0.45	4.05	4.37
	C22,C23		1.00	2.00	0.30	0.45	4.05	1.09
	C9-C17,C24-		1.00	12.00	0.45	0.45	4.05	9.84
	C18-C21		1.00	4.00	0.20	0.45	4.05	1.46
	Lintel @ +2.10 M LEVEL							
	HORIZONTAL walls B1		2.00	1.00	19.65	0.20	0.15	1.18
	B2,B3,B6		2.00	2.00	19.65	0.20	0.15	2.36
	B4,B5		2.00	2.00	2.60	0.20	0.15	0.31
	B7,B14		2.00	2.00	30.73	0.20	0.15	3.69
	B8		2.00	1.00	1.40	0.20	0.15	0.08
	VERTICAL walls B9,B10,B11, B12, B13		2.00	1.00	12.63	0.20	0.15	0.76
	Toilet walls		2.00	2.00	3.30	0.15	0.15	1.98
			2.00	2.00	0.95	0.15	0.15	0.57
			2.00	1.00	3.70	0.15	0.15	1.11
			-2.00	1.00	0.95	0.15	0.15	-0.29
	in side office wall		2.00	2.00	4.80	0.15	0.15	2.88
			2.00	1.00	6.00	0.15	0.15	1.80
	Roof Beams							

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NAME OF THE WORK : CONSTRUCTION OF INDOOR STADIUM AT TELECOM LAYOUT IN WARD NO-5 SURROUNDING AREA BYATARAYANAPURA SUB DIVISION ,YELAHANKA ZONE, BENGALURU-92

1st and part bill

Name of the Agency : Shri.Shri.K.Boopalan (BVR Tech& Engineers)

Post -Measuremments

SL. NO	DESCRIPTION OF WORKS		UNIT	NO'S		DIMENSIONS (MTR) L	B	D	QTY
	HORIZONTAL BEAMS	B1		1.00	1.00	19.65	0.30	0.35	2.06
		B2,B3,B6		1.00	3.00	19.65	0.30	0.450	7.96
		B4,B5		1.00	2.00	2.60	0.20	0.45	0.46
	VERTICAL BEAMS	B7,B14		1.00	2.00	30.73	0.30	0.45	8.30
		B8		1.00	1.00	1.40	0.20	0.45	0.13
		B9,B10,B11, B12, B13		1.00	4.00	12.63	0.30	0.45	6.82
	Ground floor roof slab			1.00	1.00	20.10	12.85	0.175	45.20
	Stair Case	steps		1.00	26.00	0.30	1.50	0.150	1.76
		Landing		1.00	2.00	1.50	1.50	0.150	0.68
		waist slab		1.00	1.00	14.00	1.50	0.15	3.15
			Cum				Total Qty		133.78
							BOQ qty		113.58
							Qty reserved for approval		20.20
							Qty to be paid		113.58

Measurement recorded on :

10	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C. beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.								
	B) First Floor								
	COLUMNS ABOVE +4.05 M	C1-C8		1.00	8.00	0.30	0.45	4.05	4.37
		C22,C23		1.00	2.00	0.30	0.45	4.05	1.09
		C9-C17,C24-		1.00	10.00	0.45	0.45	4.05	8.20
		C-13,C-14		1.00	2.00	0.45	0.45	4.05	1.64
		C18-C21		1.00	4.00	0.20	0.45	4.05	1.46
	For Head room& Lift								
	COLUMNS	C1-C8		1.00	8.00	0.30	0.45	1.00	1.08

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Asst. Executive Engineer
Yelahanka Zone
BBMP, Bangalore - 92

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NAME OF THE WORK : CONSTRUCTION OF INDOOR STADIUM AT TELECOM LAYOUT IN WARD NO-5 SURROUNDING AREA BYATARAYANAPURA SUB DIVISION ,YELAHANKA ZONE, BENGALURU-92

1st and part bill

Name of the Agency : Shri.Shri.K.Boopalan (BVR Tech& Engineers)

Post -Measuremments

SL. NO	DESCRIPTION OF WORKS		UNIT	NO'S		DIMENSIONS (MTR) L	B	D	QTY
	COLUMNS ABOVE +4.05 M	C22,C23		1.00	2.00	0.30	0.45	4.05	1.09
		C9-C17,C24-		1.00	10.00	0.45	0.45	1.00	2.03
		C-13,C-14		1.00	2.00	0.45	0.45	4.05	1.64
		C18-C21		1.00	4.00	0.20	0.45	4.05	1.46
	BEAM @ 8.10 M LEVEL								
	HORIZONTAL BEAM DETAILS	B1		1.00	1.00	19.65	0.30	0.35	2.06
		B2,B3,B6		1.00	3.00	19.65	0.30	0.45	7.96
		B4,B5		1.00	2.00	2.60	0.20	0.45	0.46
	VERTICAL BEAM DETAILS	B7,B14		1.00	2.00	30.73	0.30	0.45	8.30
		B8		1.00	1.00	1.40	0.20	0.45	0.13
		B9,B10,B11, B12, B13		1.00	4.00	12.63	0.30	0.45	6.82
	beam for staircase			1.00	1.00	6.00	0.30	0.30	0.54
	Lintel @ +2.10 M LEVEL								
	HORIZONTAL walls	B2,B3,B6		2.00	1.00	19.65	0.20	0.15	1.18
		B4,B5		2.00	2.00	2.60	0.20	0.15	0.31
	VERTICAL BEAM walls	B8		2.00	1.00	1.40	0.20	0.15	0.08
	First floor walls			2.00	1.00	5.00	0.15	0.15	0.23
				2.00	1.00	4.80	0.15	0.15	0.22

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1st and part bill

Name of the Agency : Shri.Shri.K.Boopalan (BVR Tech& Engineers)

Post -Measuremments

SL. NO	DESCRIPTION OF WORKS		UNIT	NO'S		DIMENSIONS (MTR) L	B	D	QTY
	SLAB @ +8.50 M LEVEL			1.00	1.00	20.10	12.85	0.175	45.20
	Stair Case	steps		1.00	26.00	0.30	1.50	0.150	1.76
		Landing		1.00	2.00	1.50	1.50	0.150	0.68
		waist slab		1.00	1.00	14.00	1.50	0.15	3.15
			Cum						103.12
								BOQ qty	94.67
								Qty reserved for approval	8.45
								Qty to be paid	94.67

Asst. Executive Engineer
Yelahanka Zone
BBMP, Bengaluru

Measurement recorded on :

11	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.-TMT bars Fe 500								
	Qty vide pre measurements			Asper calculation sheet					
			MT						15.12

Measurement recorded on :

12	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.-TMT bars Fe 500								
	b) First floor								
	Qty vide pre measurements			Asper calculation sheet					
									0.00
			MT						10.68
								BOQ qty	7.57
								Qty reserved for approval	3.11
								Qty to be paid	7.57

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1st and part bill

Name of the Agency : Shri.Shri.K.Boopalan (BVR Tech& Engineers)

Post -Measuremments

SL. NO	DESCRIPTION OF WORKS	UNIT	NO'S		DIMENSIONS (MTR) L	B	D	QTY
	window grill W		1.00	24.00	1.80	1.50	40.00	2592.00
	window grill W1		1.00	4.00	1.50	1.50	40.00	360.00
	window grill W2		1.00	2.00	1.20	1.50	40.00	144.00
	window grill W3		1.00	2.00	0.90	1.50	40.00	108.00
	window grill W3		1.00	2.00	1.20	0.60	40.00	57.60
	ventilators grill		1.00	2.00	0.90	0.60	30.00	32.40
		kg						3294.00
							BOQ qty	1264.80
							Qty reserved for	2029.20
							Qty to be paid	1264.80

Measurement recorded on :

	BOREWELL ITEMS							
37	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction with all lead and lift etc.., complete as per the directions of the Engineer-In-charge of the work							
	Qty vide pre measurements							
	Page No							
		each						1.00

Measurement recorded on :

38	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) as per Specification and direction with all lead and lift etc.., complete as per the directions of the Engineer-In-charge of the work **a. 0 to 50 m**							

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